

MEMO FROM
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GENETICS DEPARTMENT
STANFORD UNIVERSITY
STANFORD, CALIFORNIA

TO: Dr N G Anderson
ORNL

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Dear Dr. Anderson:

We are very much interested in isopycnic density gradient centrifugation as a possible means of fractionating bacterial genotypes. Your papers which we have been receiving annually from the ORNL have been very helpful.

But do you know of any literature on the application of this method, even to the obvious problem of determining the density of bacteria? I had forgotten the paper, but seeing it again I recalled that a paper by Vallee et al in Science 111, 34 (1950) had first provoked the thought, but I haven't done anything about it till now.

Can you suggest also the best current usage in dense solutes which are innocuous to living cells and have a high enough mol. wt. to be useful at low osmolalities? The iodinated contrast agents used in radiography of course suggest themselves.

Thank you for your help,

[1960]

ANDERSON, N.